

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

entor: Robert R. HUNTER Confirmation No.: 8982

Application No: 10/615,572 Examiner: Carol S. W. TSAI

Filing Date: July 8, 2003 Group Art Unit: 2857

Title: METHOD AND APPARATUS FOR READING AND CONTROLLING UTILITY

CONSUMPTION

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR §1.56(a), 1.97(c)(1) and 1.97(e)(2), Applicant hereby cites the following document(s) listed on the attached Form(s) PTO/SB/08 along with any required copies of listed document(s). In accordance with 37 CFR §1.97(h) the filing of this information disclosure statement shall not be construed as an admission that the information cited in this statement is, or is considered to be, material to patentability as defined in § 1.56(b).

No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this information disclosure statement.

The Commissioner is also authorized to charge any deficiencies in fees and credit any overpayment of fees to Deposit Account No. 50-1610.

> Respectfully submitted, Law Offices of Derek J. Westberg

Reg. No. 40,872

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Inder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

& TRASSubstitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 Complete if Known

 Application Number
 10/615,572

 Filing Date
 July 8, 2003

 First Named Inventor
 Robert R. HUNTER

 Art Unit
 2857

 Examiner Name
 Carol S. W. TSAI

(Use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number TREND-00101

U. S. PATENT DOCUMENTS

			U. S. PATENT I	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (ff known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2 (ff known)} US- 6,574,104-B2	06-03-2003	Patel et al.	
		US-			
Charles in Strandal & Andrews Construction Construction		US-			
***************************************		US-	***************************************	·····	
		US-			
		US-		ere	
		US-	······································	····· (
••••	·	US-			
·*····		US-			
· ••••••••••••••••••••••••••••••••••••		US-			
·······································	***************************************	US-			
	·	US-			
		US-		······································	
		US-		THE COLUMN THE PROPERTY OF THE	
		US-		ATT CONTINUE OF THE CONTINUE O	
	ļ	US-			
		US-			
		US-			

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
initials No.	Country Code ³ Number ⁴ Kind Code ⁵ (if known)		Applicant of Otto Document	or Relevant Figures Appear					
••••••				***************************************	***************************************	┝			
•••••	ļ		•••••••••••••••••••••••••••••••••••••••	•••••••••••••••••••••••••••••••••••••••	***************************************	┝			
						├			
			······································			├-			

Examiner	Dat	e	
Signature		sidered	
0.5		isidered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JAN 1 9 2005 BY PERSON OF TRADE Under the F

PTO/SB/08b (08-03)
Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for fo	rm 1449B/PTO			Complete if Known		
				Application Number	10/615,572	
INFOR	MATION E)ISCLO	SURE	Filing Date	July 8, 2003	
STATE	MENT BY	APPLI	CANT	First Named Inventor	Robert R. HUNTER	
				Art Unit	2857	
(U	se as many sheets	as necessary)		Examiner Name		
Sheet	1	of	1	Attomey Docket Number	TREND-00101	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Residential energy management tool from Invensys designed to help reduce demand, need for new generation, Only the first page of this article was available for download, [online] Retrieved from the internet: <url:http: amrreport.pdf="" news="" pdf="" www.invensysnetworks.com="">, Appearing on the document is the date of March 14, 2002.</url:http:>	
		Comcast, Invensys join PECO in demand-side management trial, Only the first page of this article was available for download, [online] Retrieved from the internet: <url:http: file_display_freesummary.cfm?id="1177&freesummary=1&app_id=21" www.energylibrary.com="">, Appearing on the document is the date of September, 2003.</url:http:>	•••••
	••••••		
	•••••		
	••••••		**********
	•••••••••••••••••••••••••••••••••••••••		
	<u></u>		

Examiner Signature	Date Considered	
0.9.10.5.0	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known

Substitute for form 1449/PTO Application Number 10/615572 Filing Date 08 June 2003 INFORMATION DISCLOSURE First Named Inventor Robert R. Hunter STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) Examiner Name Attorney Docket Number TREND-00101 Sheet

			U.S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 5,214,587 A	05-25-1993	Green	
		^{US-} 4,390,876 A	06-28-1983	Bjorklund	
		^{US-} 4,783,623 A	11-08-1988	Edwards et al	
		^{US-} 5,699,276 A	12-16-1997	Roos	
		^{US-} 4,803,632 A	02-07-1989	Frew et al	
		^{US-} 5,541,589 A	07-30-1996	Delaney	
		^{US-} 4,350,980 A	09-21-1982	Ward	
		^{US-} 6,262,672 B1	07-17-2001	Brooksby et al	
		^{US-} 5,880,464	03-09-1999	Vrionis	
		^{US-} 4,327,362	04-27-1982	Hoss	
•		^{US-} 5,506,404	04-09-1996	Milan-Kamski	
		^{US-} 6,167,389	12-26-2000	Davis et al	
		^{US-} 5,767,790	06-16-1998	Jovellana	
		^{US-} 5,559,894	09-24-1996	Lubliner et al	
		^{US-} 4,132,981	01-02-1979	White	
		^{US-} 4,463,354	07-31-1984	Sears	
		^{US-} 4,646,084	02-24-1987	Burrowes et al	
		^{US-} 4,652,877	03-24-1987	Gray	
		^{US-} 4,707,852	11-17-1987	Jahr et al	

Examiner Initials*	Cite No.1	Foreign Patent Document	IGN PATENT DOCU Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ^c
		U TABLES CONTRACTOR STATE OF THE STATE OF TH				┡
	·			_		
						⊬

Examiner	Date		_
Signature	Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTNOT OF COMMERCE

Substitute for form 1449/PTO		Complete if Known			
Gubsiii	ADDITION OF THE POPULATION OF		Application Number	10/615572	
INIT		CON DI	CL OCUDE	Filing Date	08 June 2003
INFORMATION DISCLOSURE			First Named Inventor	Robert R. Hunter	
ST	ATEMEI	NT BY A	APPLICANT	Art Unit	
(Use as many sheets as necessary)		Examiner Name			
Sheet	2	of	3	Attorney Docket Number	TREND-00101

	,			DOCUMENTS	Discouling Miles	
Examiner Initials*		Document Number Number-Kind Code ² (Fknown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear	
	 	US- 4,758,836	07-19-1988	Scuilli		
		^{US-} 5,602,744	02-11-1997	Meek et al		
		^{∪S-} 5,669,276	12-16-1997	Roos		
		^{US-} 4,782,341	11-01-1988	Gray		
		^{US-} 5,619,192	04-08-1997	Ayala		
		^{US-} 6,181,257 B1	01-30-2001	Meek et al		
		^{US-} 4,833,618	05-23-1989	Verma et al		
		US- 4,884,021	11-28-1989	Hammond et al		
		^{US-} 5,111,407	05-05-1992	Galpern		
		^{US-} 5,252,967	10-12-1993	Brennan et al		
		^{US-} 5,270,704	12-14-1993	Sosa Quintana et al		
		^{US-} 5,278,551	01-11-1994	Wakatsuki et al		
		^{US-} 5,298,894	04-29-1994	Cerny et al		
		US- 5,808,558	09-15-1998	Meek et al		
		US- 6,087,959	07-11-2000	Glorioso		
		^{US-} 6,118,269	09-12-2000	Davis		
		^{US-} 5,523,751	06-04-1996	Byford et al		
		^{US-} 5,493,287	02-20-1996	Bane		
		^{US-} 5,495,239	02-27-1996	Ouellette		

			IGN PATENT DOCU		T-2	
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
						L

Examiner	Date	
Signature	Considered	
-		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \(^1\)Applicant's unique citation designation number (optional). \(^2\)See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. \(^3\)Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \(^4\)For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \(^5\)Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \(^6\)Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are re Substitute for form 1449/PTO	to respond to a collection of information unless it contains a valid OMB control number. Complete if Known		
Substitute for form 1445/110	Application Number		
INCODERATION DICCLOCUDE	Filing Date		
INFORMATION DISCLOSUR	First Named Inventor		
STATEMENT BY APPLICAN	Art Unit		
(Use as many sheets as necessary)	Examiner Name		
Sheet 3 of 3	Attorney Docket Number		

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code ² (f known)		Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		^{US-} 6,369,719	04-2002	Tracy et al	
		^{US-} 5,140,351	08-1992	Garcia et al	
		^{US-} 4,792,677	12-1988	Edwards et al	
	1	^{US-} 4,881,070	11-1989	Burrowes et al	
		^{US-} 4,680,704	07-1987	Konicek et al	
		^{US-} 4,987,363	01-1991	Gibbs et al	
		^{US-} 5,852,658	12-1998	Knight et al	•
		US-			·
		US-			
	†	US-			
		US-			
	 	US-			
		US-			
	†	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
						1
						Ī

Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \(^1\) Applicant's unique citation designation number (optional). \(^2\) See Kinds Codes of USPTO Patent Documents at \(\frac{\text{www.uspto.gov}}{\text{usw.uspto.gov}}\) or MPEP 901.04. \(^3\) Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \(^4\) For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \(^3\)Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \(^6\)Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.